9051 Mira Mesa Blvd, #910094
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EIF3F Human

Eukaryotic Translation Initiation Factor 3F Human Recombinant
RCP0734

Product Overview

Name	EIF3F Human
Description	
Eukaryotic Translation Initiation Factor 3F Human Recombinant	
Accession (Primary)	O00303
Synonyms	
Eukaryotic Translation Initiation Factor 3, Subunit F, EIF3S5 , Eukaryotic Translation Initiation Factor 3, Subunit 5 (Epsilon, 47kD), EC 3.4.19.12, Deubiquitinating Enzyme EIF3f, eIF3f, eIF-3-epsilon, EIF3 P47, Eukaryotic Translation Initiation Factor 3 Subunit 5, eIF3-p47, Eukaryotic Translation Initiation Factor 3, Subunit 5 Epsilon, 47kDa.	
Introduction	
Eukaryotic Translation Initiation Factor 3F, also known as EIF3F belongs to the eIF-3 subunit F family. EIF3F is a component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is essential for several steps in the initiation of protein synthesis. The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF 2: GTP: methionyl-tRNAi and eIF-5 to form the 43S preinitiation complex (43S PIC). In addition, the eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also necessary for disassembly and recycling of post termination ribosomal complexes and subsequently prevents premature union of the 40S and 60S ribosomal subunits prior to initiation . Among the diseases associated with EIF3F are intrahepatic cholangiocarcinoma, and cholangiocarcinoma.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
EIF3F protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol, and 0.4M urea.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	

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Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGS MATPAVP VSAPPATPTP VPAAAPASVP APTPAPAAAP VPAAAPASSS DPAAAAAATA APGQTPASAQ APAQTPAPAL PGPALPGPFP GGRVVRLHPV ILASIVDSYE RRNEGAARVI GTLLGTVDKH SVEVTNCFSV PHNESEDEVA VDMEFAKNMY ELHKKVSPNE LILGWYATGH DITEHSVLIH EYYSREAPNP IHLTVDTSLQ NGRMSIKAYV STLMGVPGRT MGVMFTPLTV KYAYYDTERI GVDLIMKTCF SPNRVIGLSS DLQQVGGASA RIQDALSTVL QYAEDVLSGK VSADNTVGRF LMSLVNQVPK IVPDDFETML NSNINDLLMV TYLANLTQSQ IALNEKLVNL.

Precautions

EIF3F Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O00303)